

AFTER THE FACT NOTICE FOR PERMIT APPLICATION NUMBER: NRS#03.256

APPLICANT: Naval Support Activity Mid-South
Code 0101 5722 Integrity Drive
Millington, Tennessee 38054-0306
(901) 874-5902

LOCATION: The proposed project area forms part of the eastern boundary of Naval Support Activity Mid-South (Formerly Millington Naval Air Station) east of the town of Millington. The boundary is a channelized stream known as East Levee Ditch which drains into Big Creek Drainage Canal, Shelby County, Tennessee.

WATERSHED DESCRIPTION: Big Creek Drainage Canal is located in the Loosahatchie River Watershed. The stream known as East Levee Ditch has been highly channelized in the past. Channel widths along this segment range from 4 to 12 feet. In many areas, the channel bottom has eroded down to hardpan, but there are also areas with accumulated fine-grained material. The channel banks consist primarily of loose, alluvial soils. Riparian vegetation is dominated by tall grasses and shrubs with a few trees.

DESCRIPTION: Consistent with the “Emergency Situation” provisions of the Rules of the Tennessee Department of Environment and Conservation, Water Quality Control Board, Division of Water Pollution Control, Chapter 1200-4-7-.04 (4)(a) 4, the above referenced permit has been issued and notice of that permit action is hereby given. The primary purpose of this project is to stabilize the lower 700 feet of a channelized stream known as the East Levee Ditch to prevent further erosion and sliding of the west bank. In addition, the project will include the repair of four slide areas totaling 186 linear feet located on the west bank north of the lower 700 feet. Significant erosion and sliding of the west bank is occurring. The rapidness of erosion and sliding has resulted in the relocation of the base's security fence in the project area.

The deterioration of the west bank is jeopardizing the integrity of a levee that helps protect base housing from flood waters during heavy rain events. This levee also protects NSA Mid-South's Southside Landfill which was investigated as part of the base's Resource Conservation and Recover Act Facility Investigation. Groundwater monitoring wells are located in the southeast corner of the landfill immediately adjacent to the levee. A breach in the levee in this area would result in the loss of these wells and possible deposition of landfill debris and contaminated media into the channel and into Big Creek.

Based on a U.S. Army Corps of Engineers' design, the applicant will reshape the lower 500 feet of the channel's west bank to a 2:1 slope and reinforce the bank with 90-pound rip-rap. Rip-rap will extend from the top of the bank down through the bottom of the channel and 4 feet up the channel's east bank. The next 200 feet will be reinforced in the same manner except rip-rap will only extend 10 feet up the west bank, after which grid material and sod will be used. In addition, four slide areas totaling 186 feet will be reinforced by placing 90-pound rip-rap within the void areas. This project will also consist of removing accumulated debris from the channel to allow for unobstructed flow.

PERMIT COORDINATOR: Dorsey Horne, STATE OF TENNESSEE, Department of Environment and Conservation, Division of Water Pollution Control, 7th Floor, L & C Annex, 401 Church Street, Nashville, Tennessee 37243-1534

USGS QUAD: MILLINGTON 408 SW and BRUNSWICK 408 SE, TENNESSEE



Site Map

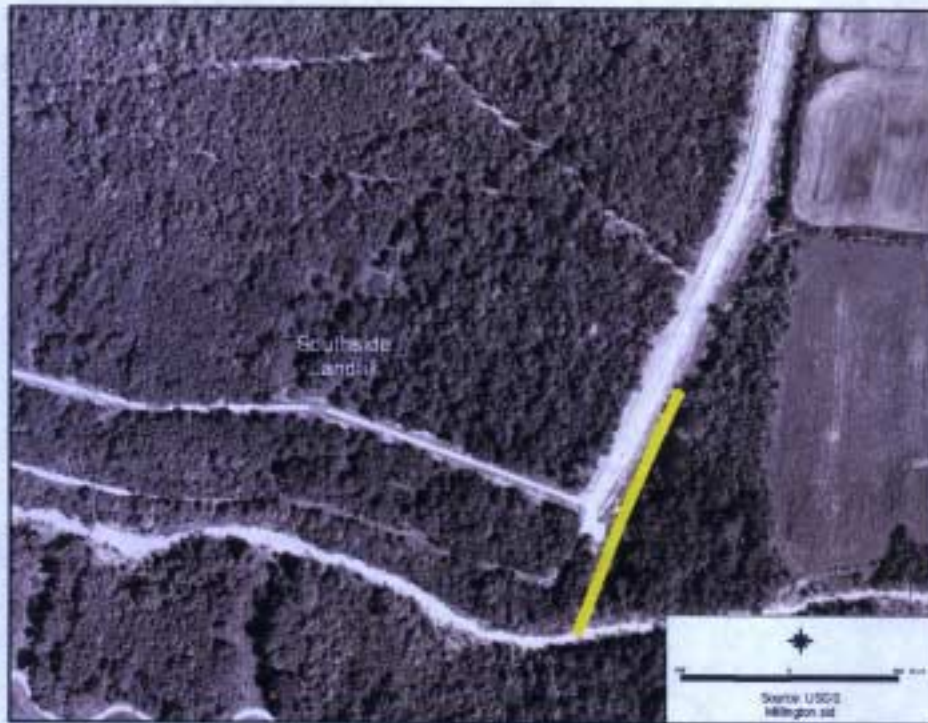


Photo 3: The Southside Landfill's proximity to the proposed project.

